



# PATENT SPECIFICATION

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Index at Acceptance :—Class 19, A3d.

## PROVISIONAL SPECIFICATION.

### Applicator for Containers for Cleaning Fluid.

I, WILLIAM KINNELL PETRIE, of British Nationality, of One Ash, Camphill Road, Broughty Ferry, Angus, Scotland, do hereby declare the nature of this invention to be as follows :—

The invention relates to an applicator for applying cleaning fluid to garments and other articles, *e.g.*, for applying a volatile solvent and rubbing on the garment in order to remove stains, without wastage of cleaning fluid.

An applicator, according to the invention, incorporates a stopper of compressed cotton wool or analogous permeable material, one end face of which presents a sloping or inclined surface formed with cross cuts and the other end face of which is formed with a hole or cavity which extends into but not through the stopper, the bottom of the cross

cuts being spaced from the inner or closed end of the hole or cavity.

The stopper may be formed with a head part and a stem part, the head part being separated by a shoulder adapted to rest on the upper surface of the neck of a bottle.

The neck of the bottle may be formed with an internal ledge or projection adapted to limit the depth of insertion of the stopper.

The stopper may be cylindrical or slightly tapered.

Dated this 6th day of November, 1946.

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## COMPLETE SPECIFICATION

### Applicator for Containers for Cleaning Fluid.

I, WILLIAM KINNELL PETRIE, of British Nationality, of One Ash, Camphill Road, Broughty Ferry, Angus, Scotland, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement :—

The invention relates to an applicator for applying cleaning fluid to garments and other articles, *e.g.* for applying a volatile solvent and rubbing on the garments in order to remove stains, without wastage of cleaning fluid.

An applicator, according to the invention, incorporates a stopper of permeable material, the operative end face of which stopper presents an inclined surface intersected by cross cuts, and the other end face of which is formed with a blind hole, the bottom of the cross cuts being spaced from the blind end of the hole.

The stopper may be formed with a head

part and a stem part, the shoulder thus formed being adapted to rest against the rim of the neck of the container.

The neck of the container may be formed with an internal flange adapted to limit the depth of insertion of the stopper.

The stopper may be cylindrical or coned.

The permeable material may be compressed cotton wool or analogous material.

Practical embodiments of the invention are illustrated in the accompanying drawing in which Fig. 1 is a view on the outer end face of a stopper adapted for fitting to a container having a plain neck, Fig. 2 is a section through A—A in Fig. 1, Fig. 3 is a view on the outer end face of a stopper adapted for fitting to a container having an internal flange, and Fig. 4 is a section through B—B in Fig. 3.

In the drawing, 1 denotes the neck of the container, 2 denotes the stopper, 3 denotes the cross cuts, and 4 denotes the blind hole.

[Price 2/-]

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In Fig. 2, 5 denotes a shoulder on the stopper 2 resting against the rim of the neck 1 of the container. In Fig. 4, 6 denotes an internal flange projecting from the inner wall of the neck 1 of the container.

5 In practice, when the container is up-ended, cleaning fluid runs into the blind hole 4 and soaks through the stopper, the cross cuts 3 permitting cleaning fluid to flow  
10 evenly to all parts of the stopper 2.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—

15 1. An applicator for applying cleaning fluid comprising a stopper of permeable material, the operative end face of which stopper presents an inclined surface intersected by cross cuts, and the other end face of  
20 which is formed with a blind hole, the bottom

of the cross cuts being spaced from the blind end of the hole.

2. An applicator as claimed in claim 1 in which the stopper is formed with a head part and a stem part, the head part being 25 larger in diameter than the stem part, the shoulder thus formed being adapted to rest against the rim of the neck of the container.

3. An applicator substantially as described with reference to Figs. 1 and 2 or 30 Figs. 3 and 4 of the accompanying drawing.

Dated this 6th day of November, 1947.

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[This Drawing is a reproduction of the Original on a reduced scale.]

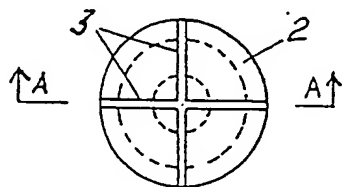


FIG. 1

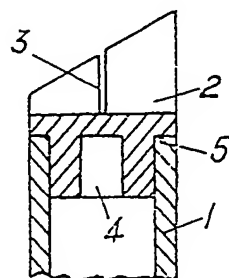


FIG. 2

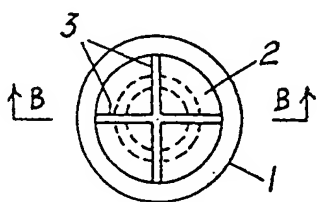


FIG. 3

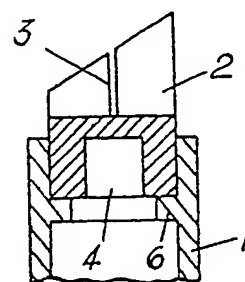


FIG. 4